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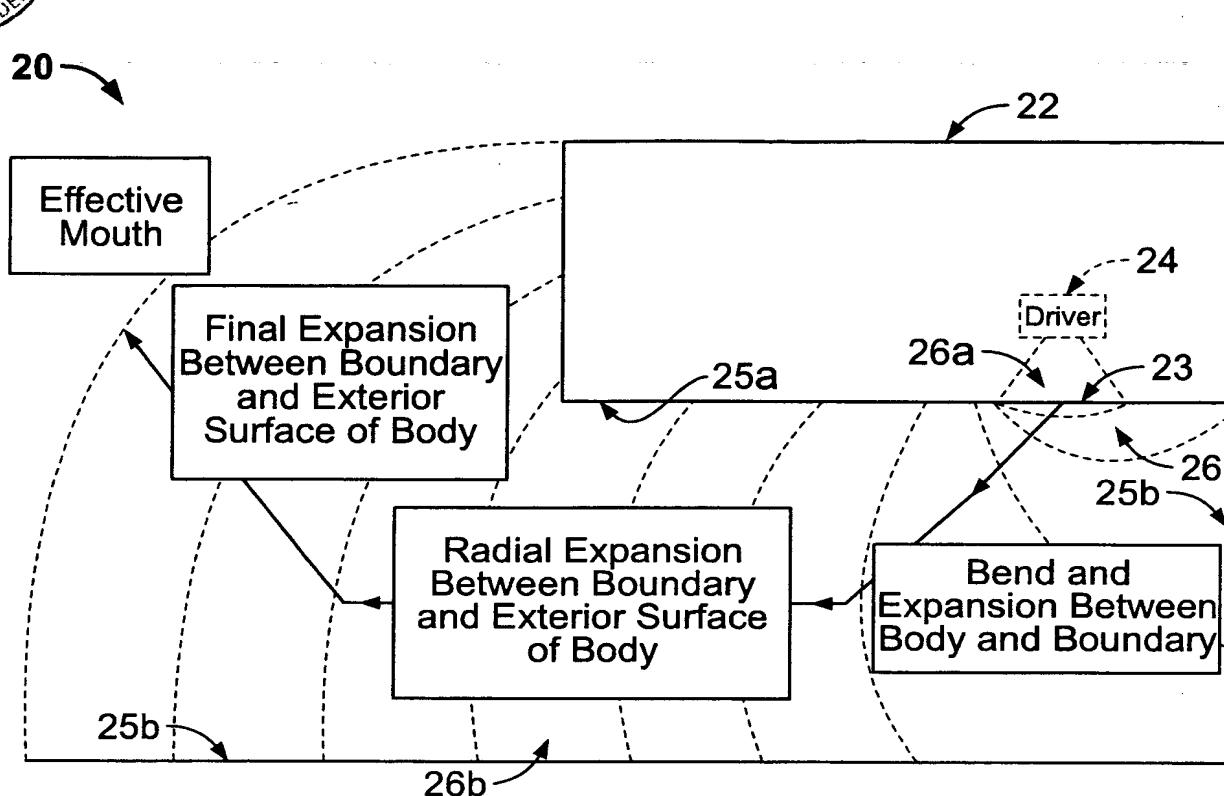


FIG. 1

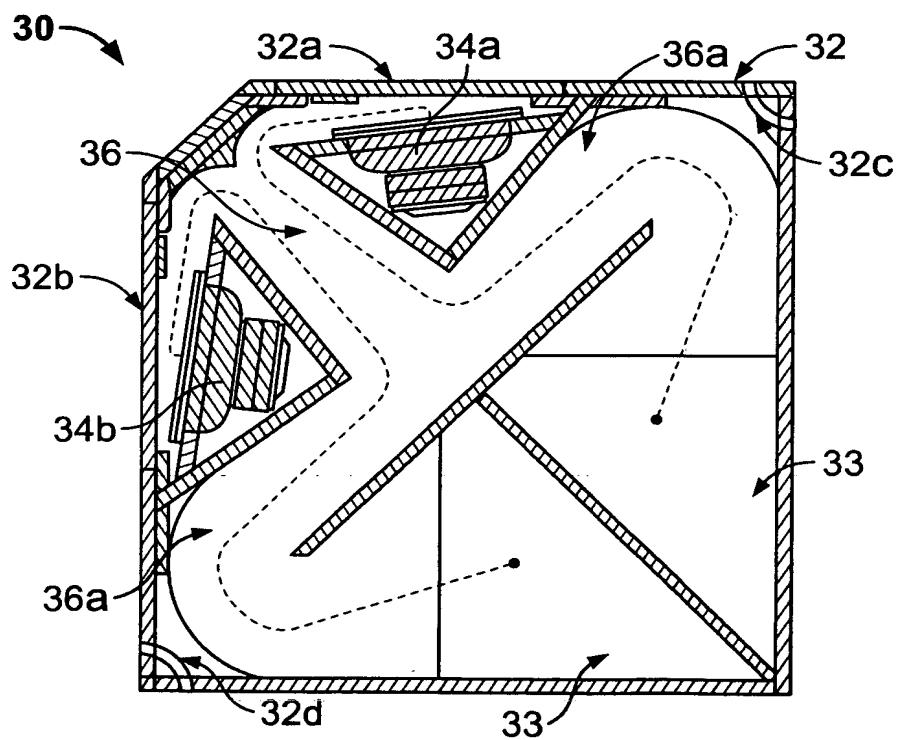


FIG. 3

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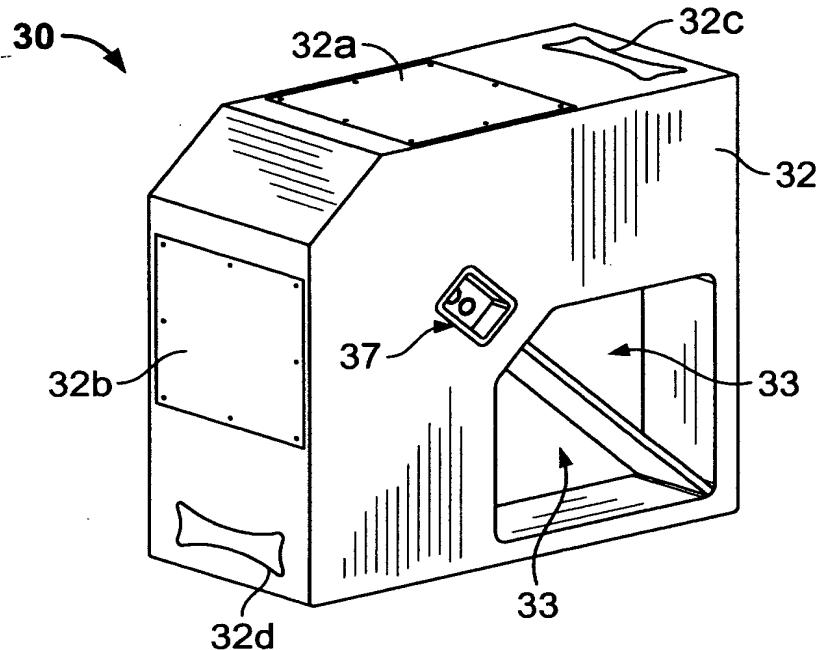


FIG. 2A

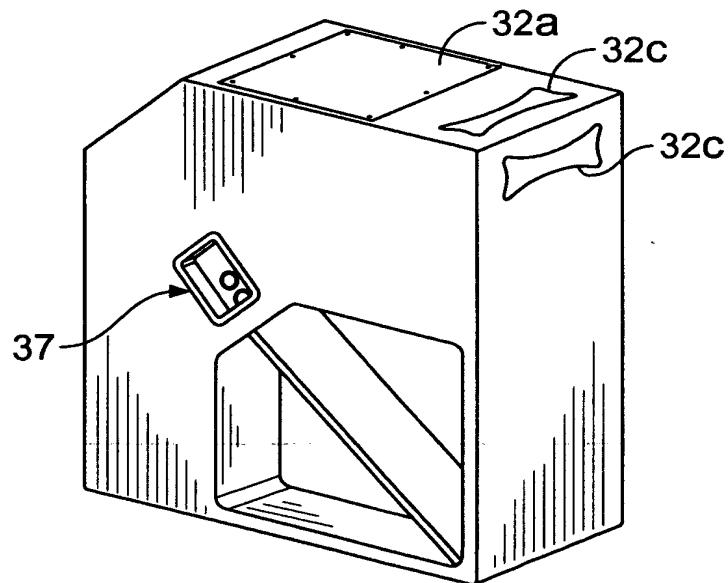


FIG. 2B

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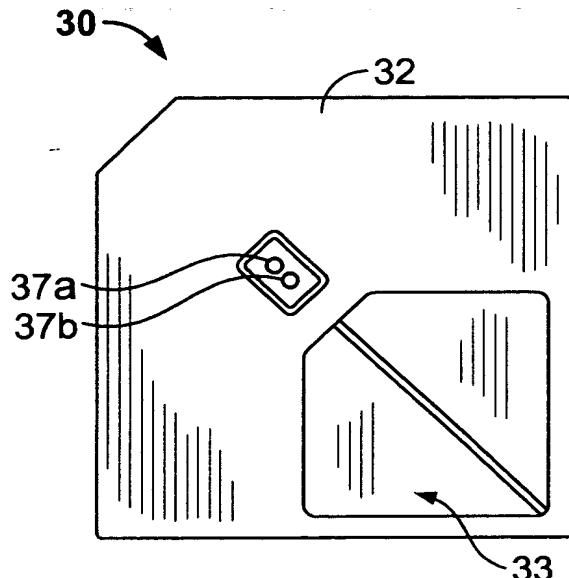


FIG. 2C

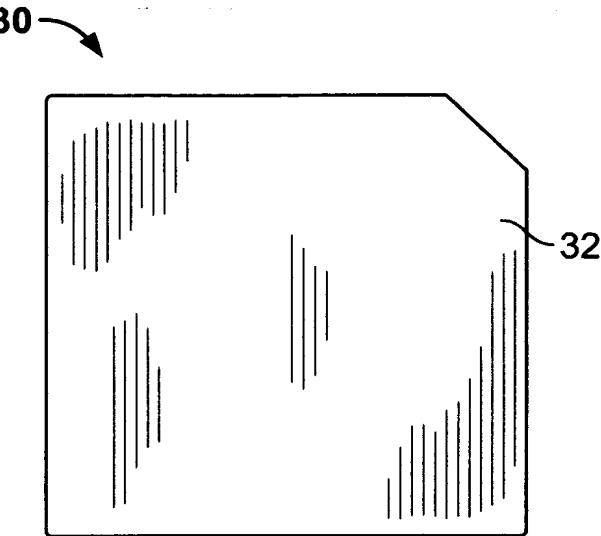


FIG. 2D

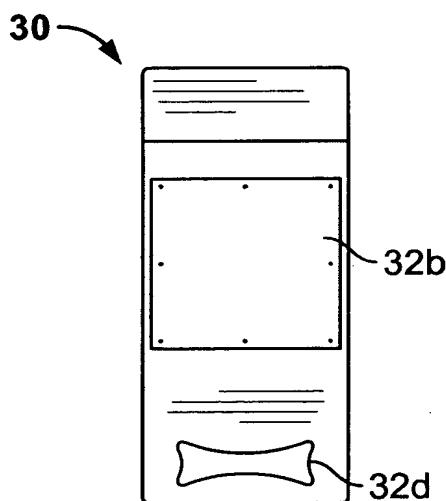


FIG. 2E

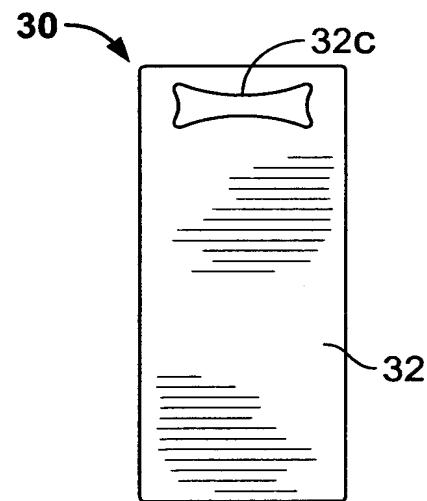


FIG. 2F

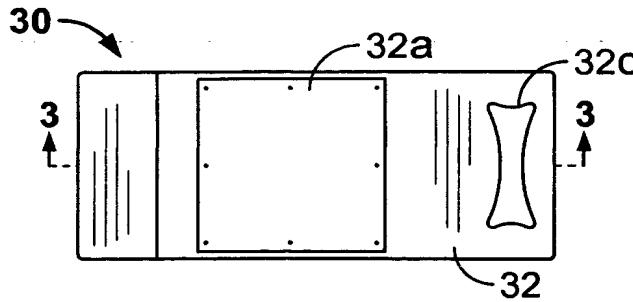


FIG. 2G

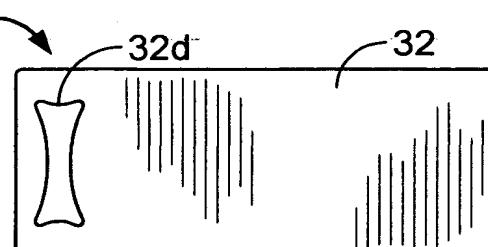


FIG. 2H

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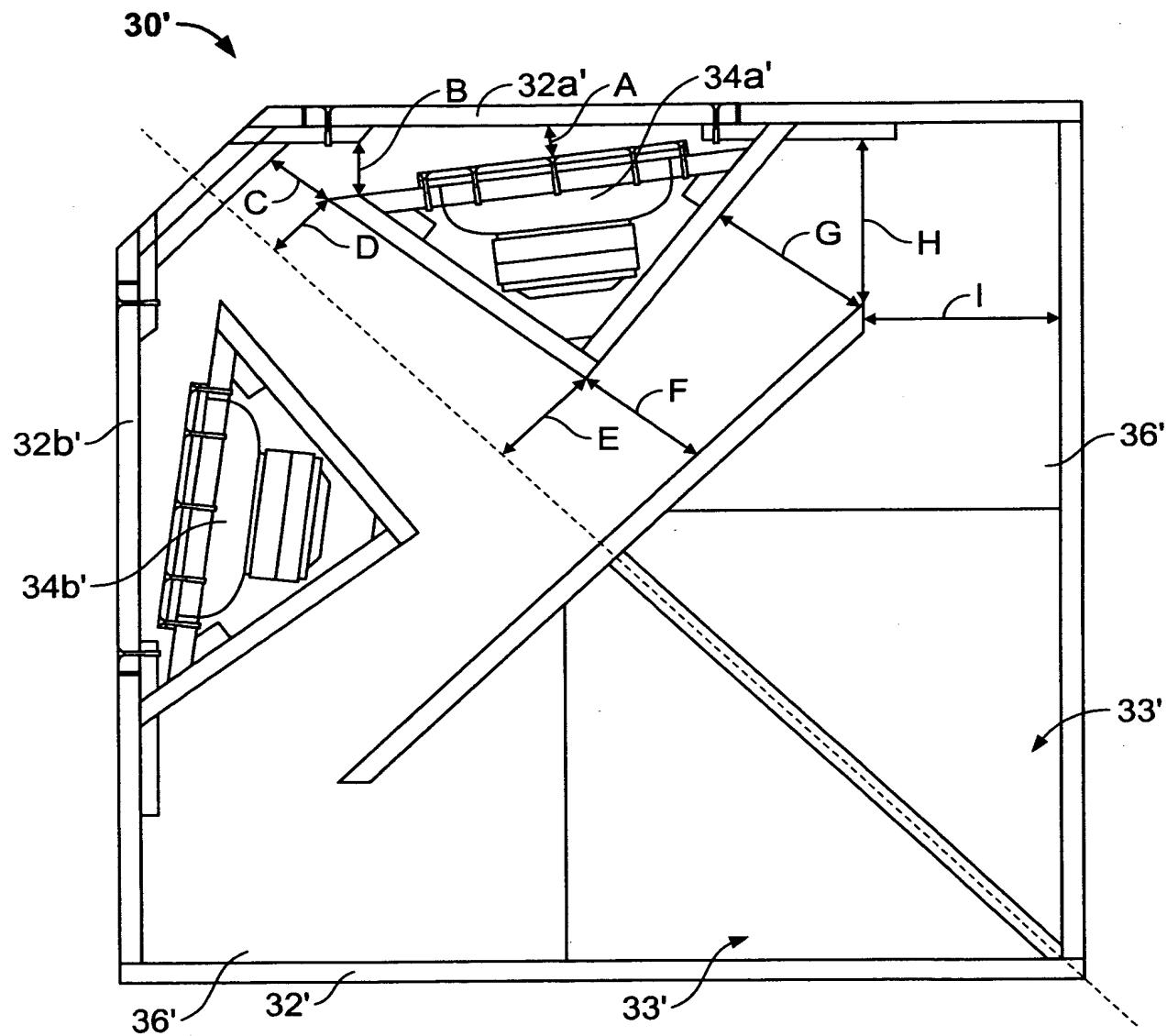
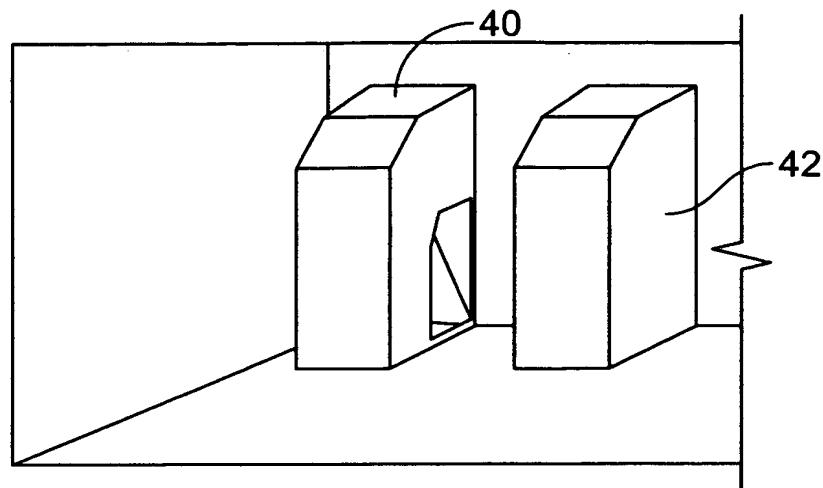
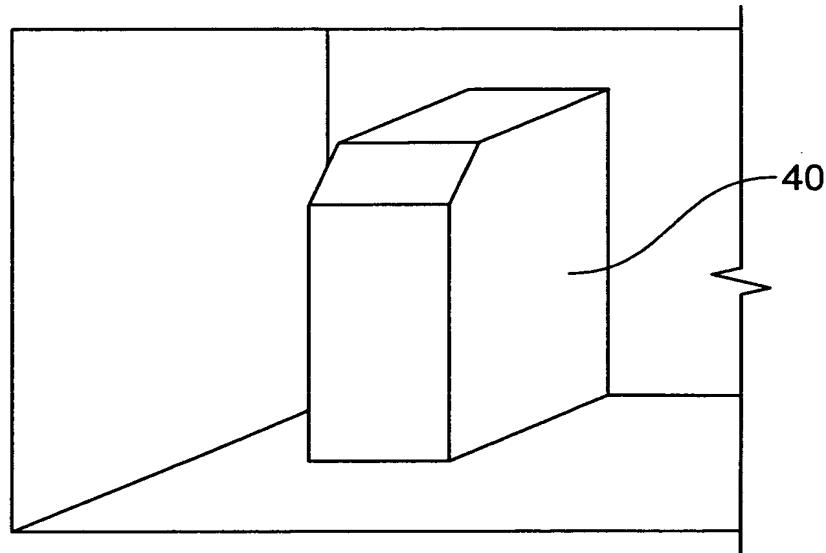


FIG. 4

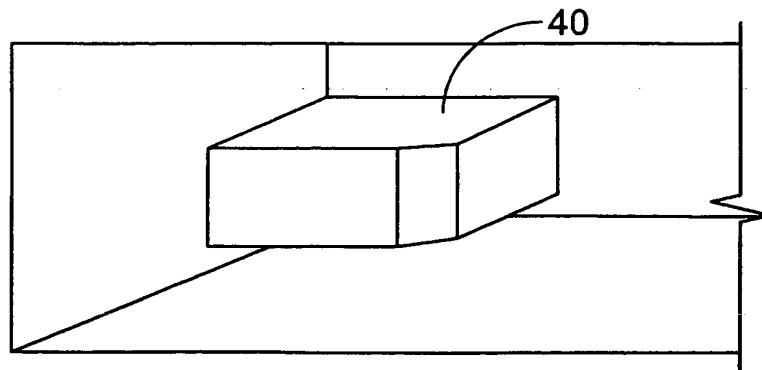
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**FIG. 5A**

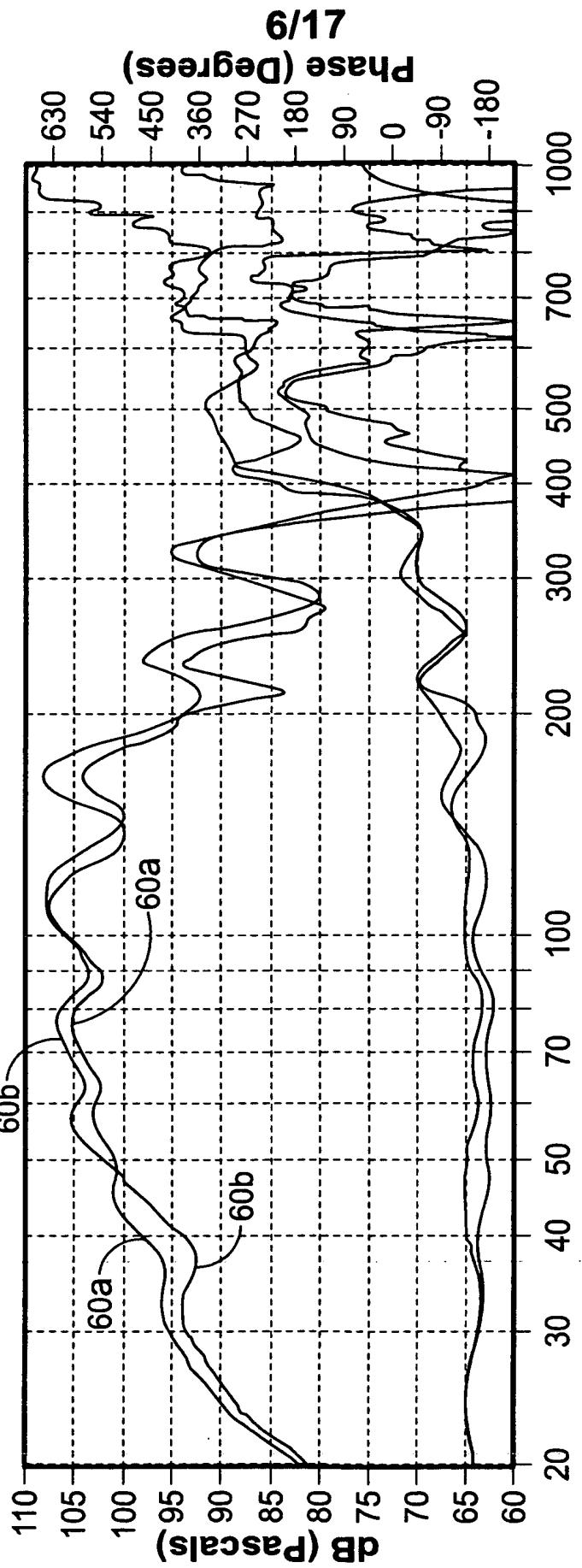


**FIG. 5B**



**FIG. 5C**

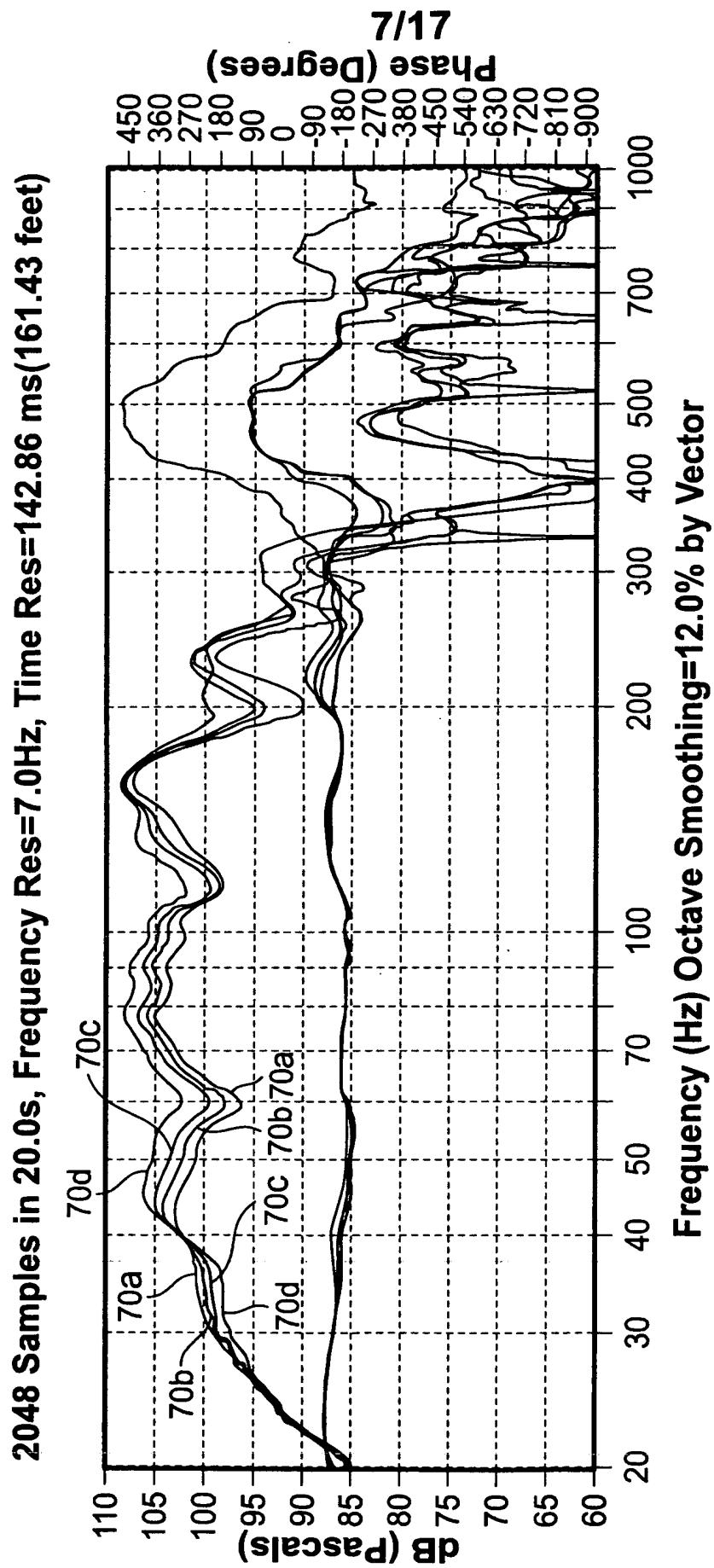
2048 Samples in 20.0s, Frequency Res=7.0Hz, Time Res=142.86 ms(161.43 feet)



Frequency (Hz) Octave Smoothing=12.0% by Vector

FIG. 6

**REPLACEMENT SHEET**  
Thomas J. DANLEY et al.  
Appln No. 10/800,150 Filed 3/13/2004  
Edward E. Clair (312) 577-7000  
Attorney Docket 6954/82543



**FIG. 7**

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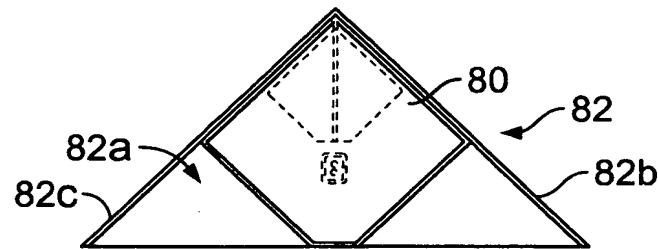


FIG. 8A

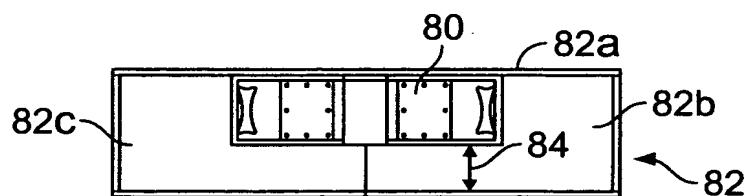


FIG. 8B

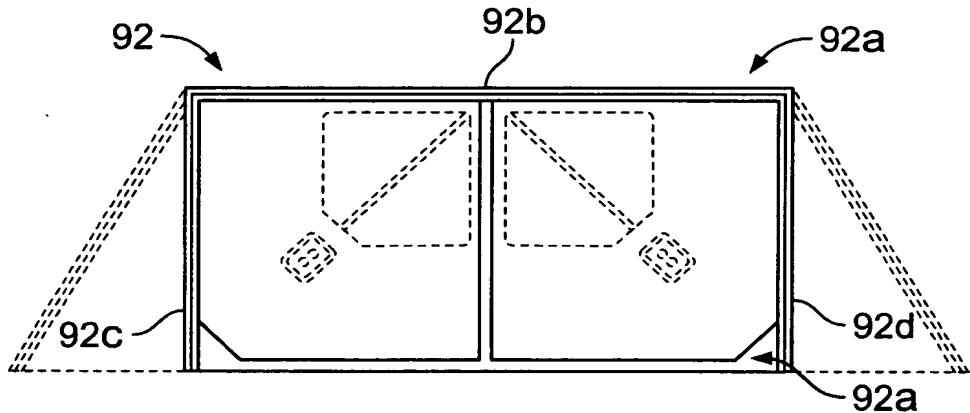


FIG. 9A

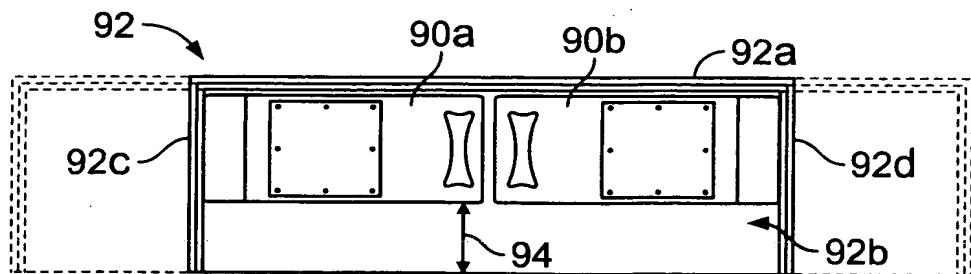


FIG. 9B

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100 ↗

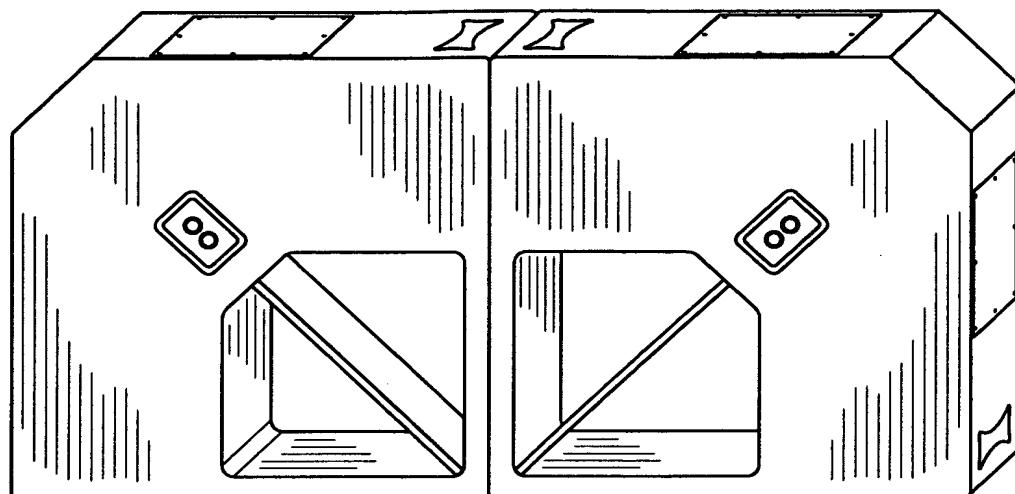


FIG. 10A

110 ↗

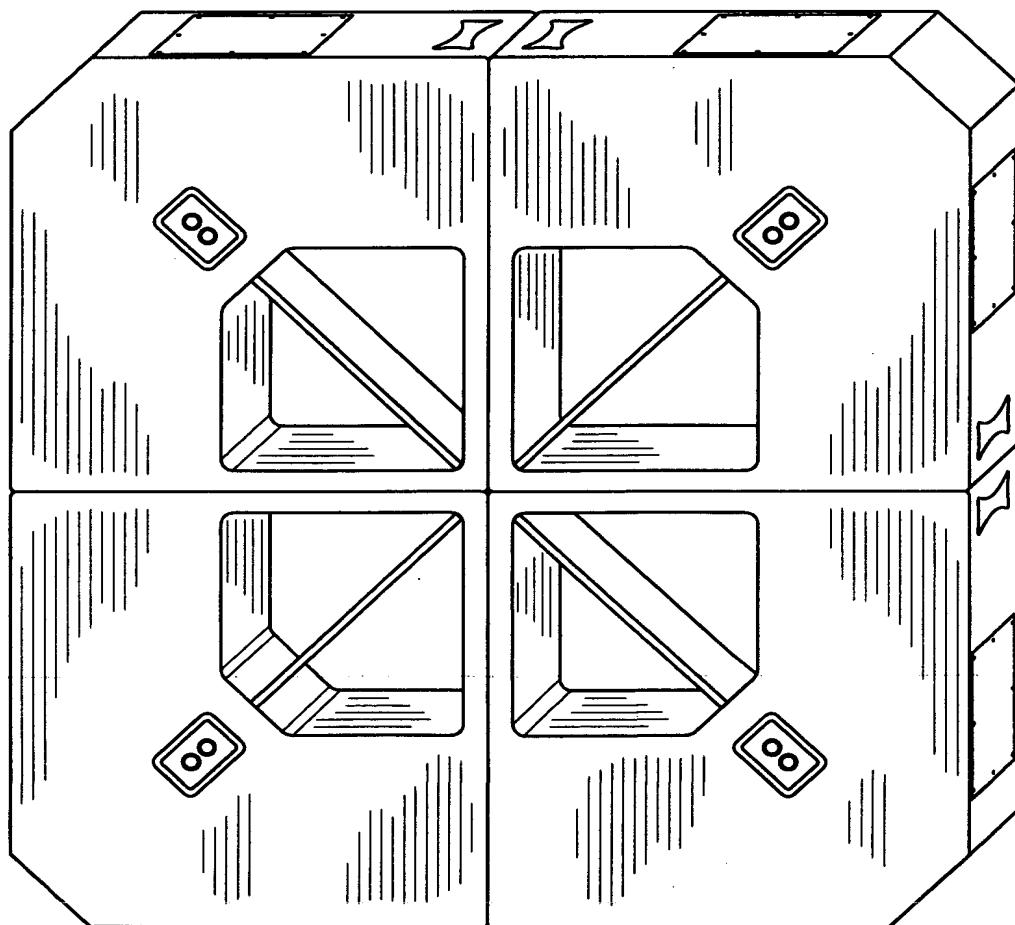


FIG. 11A

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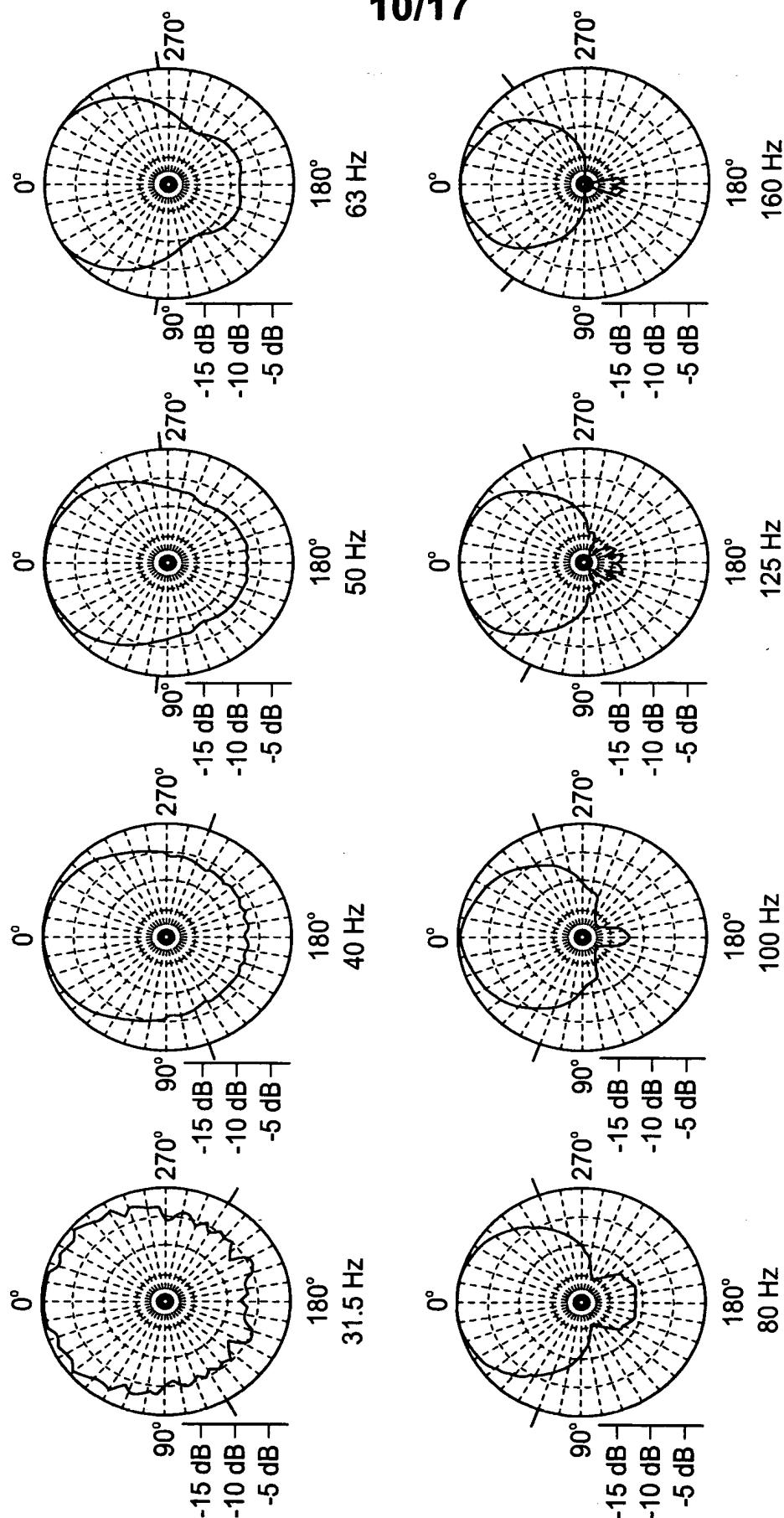


FIG. 10B

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4096 Samples in 15.1 s, Frequency Res=8.1Hz, Time Res=124.04 ms (140.16 feet)

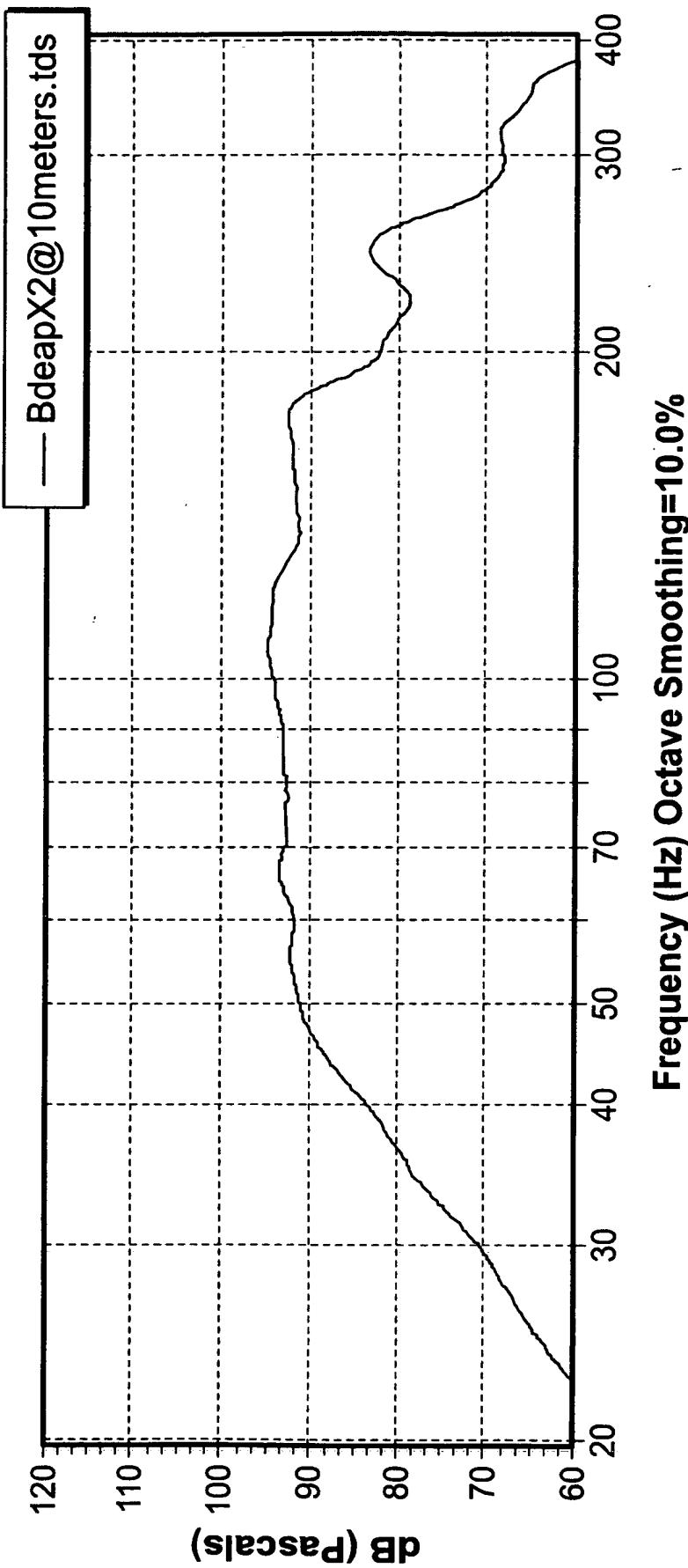


FIG. 10C

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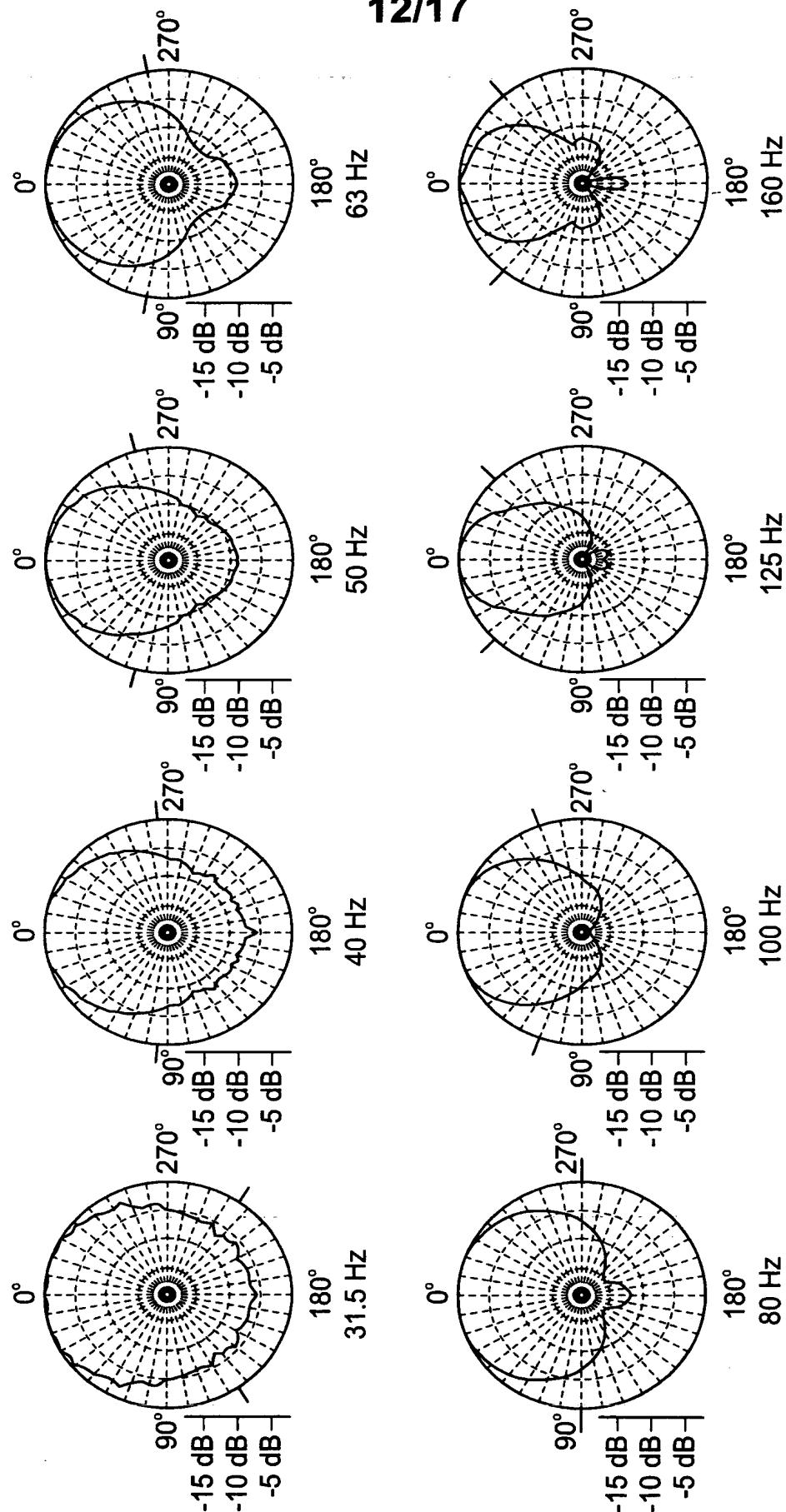


FIG. 11B

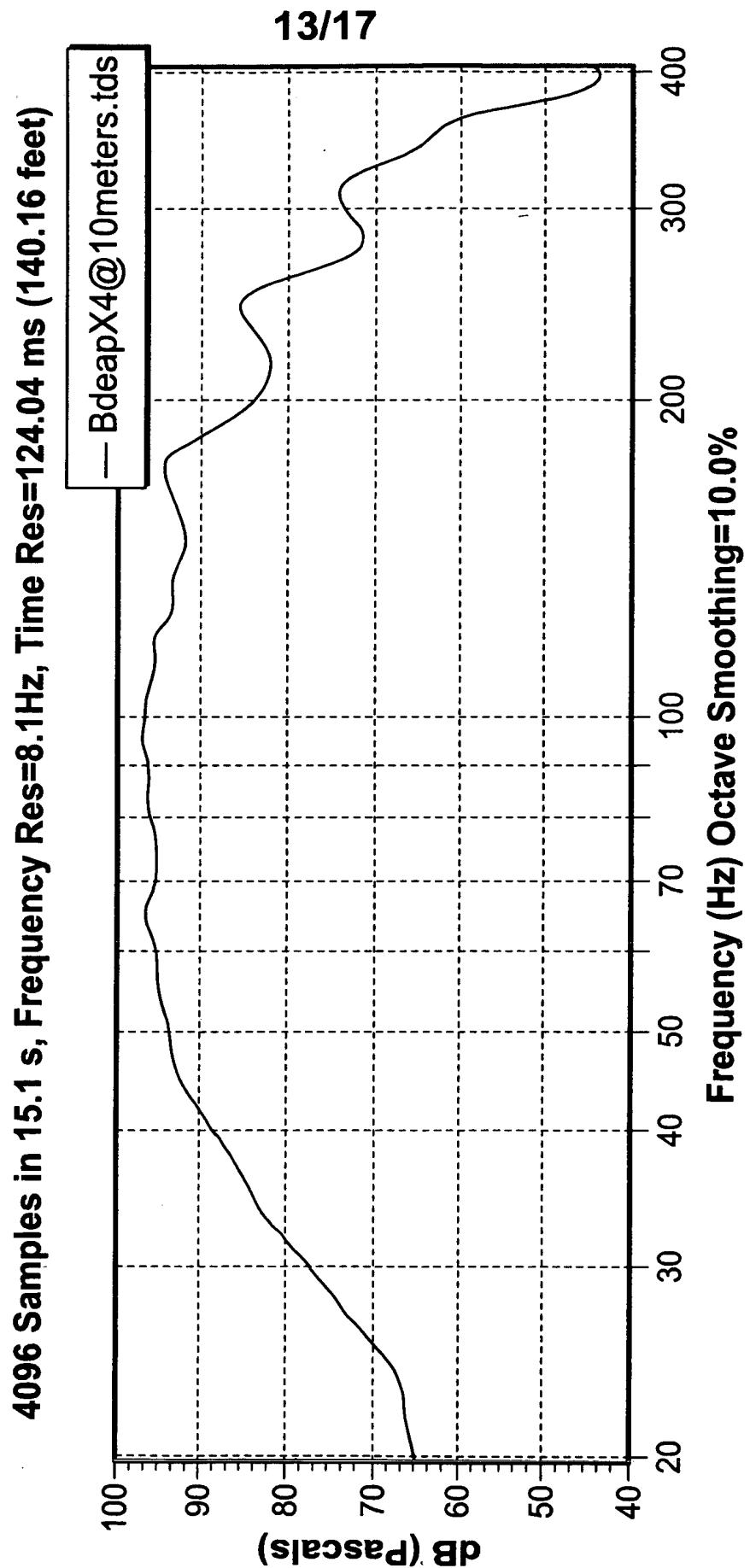


FIG. 11C

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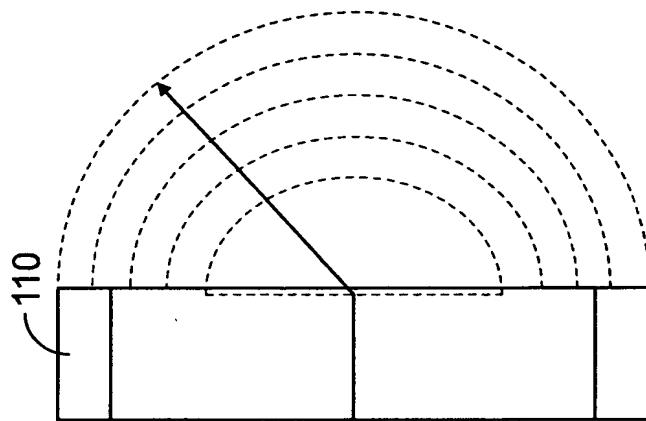


FIG. 12B

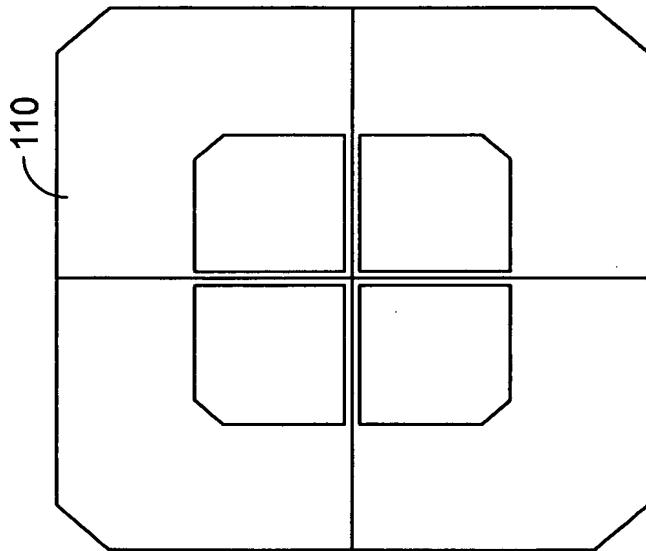


FIG. 12A

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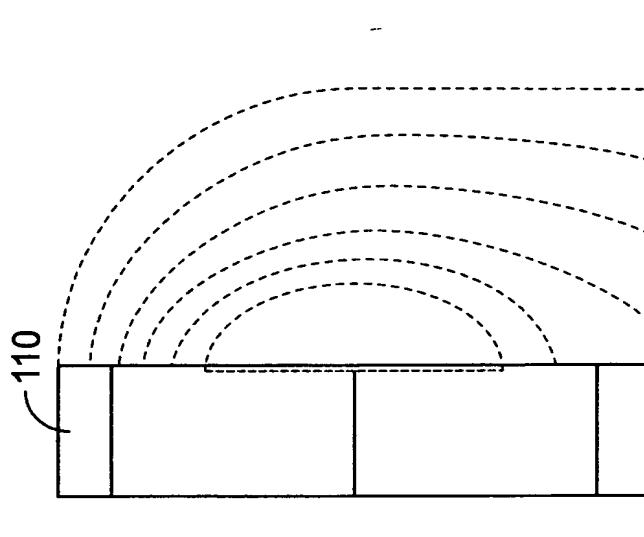


FIG. 13B

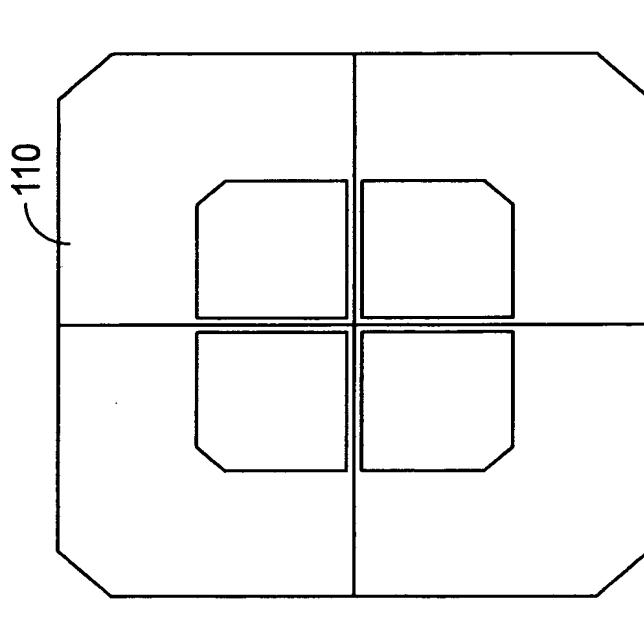


FIG. 13A

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8192 Samples, Frequency Res=3.0Hz

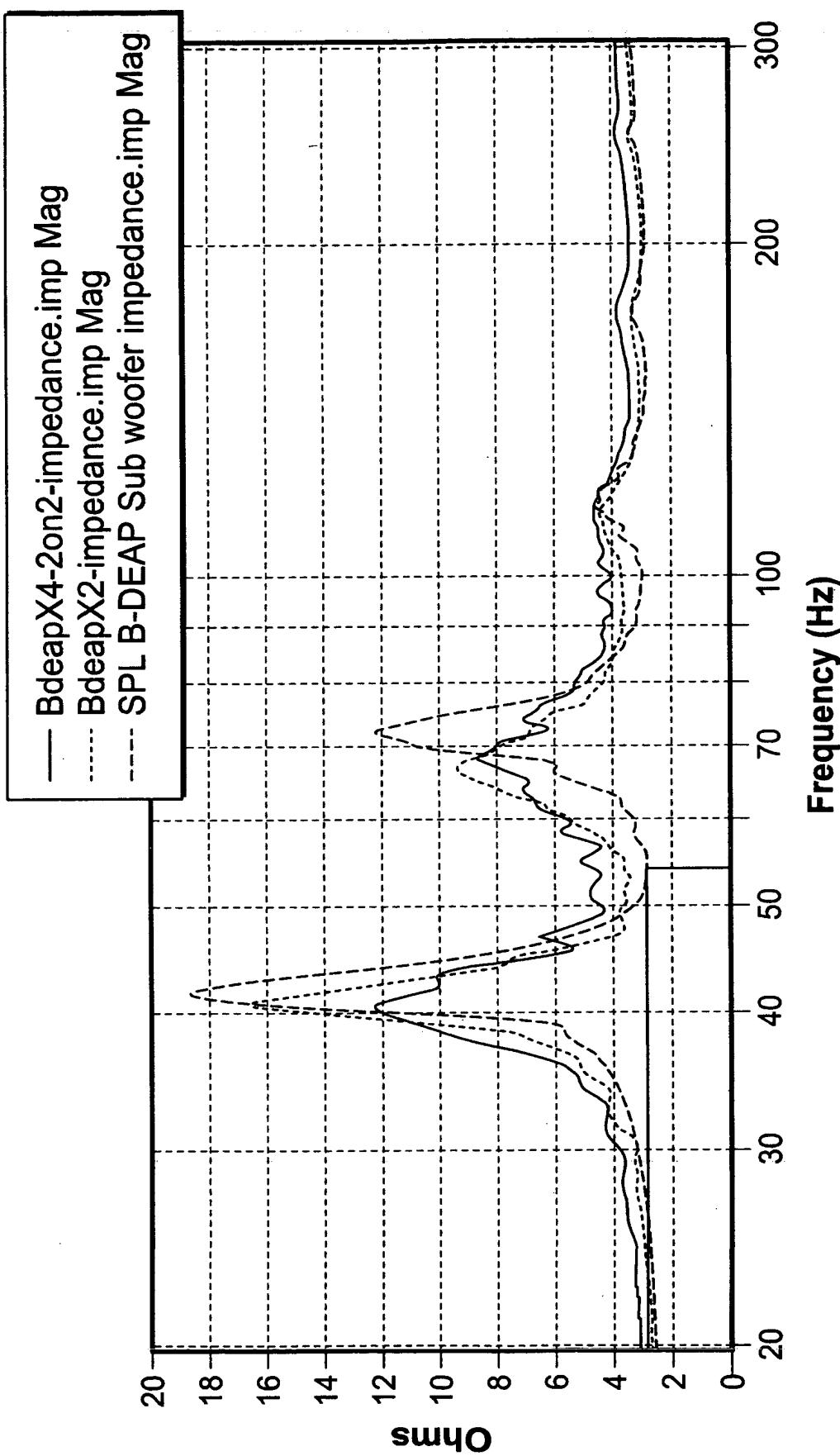
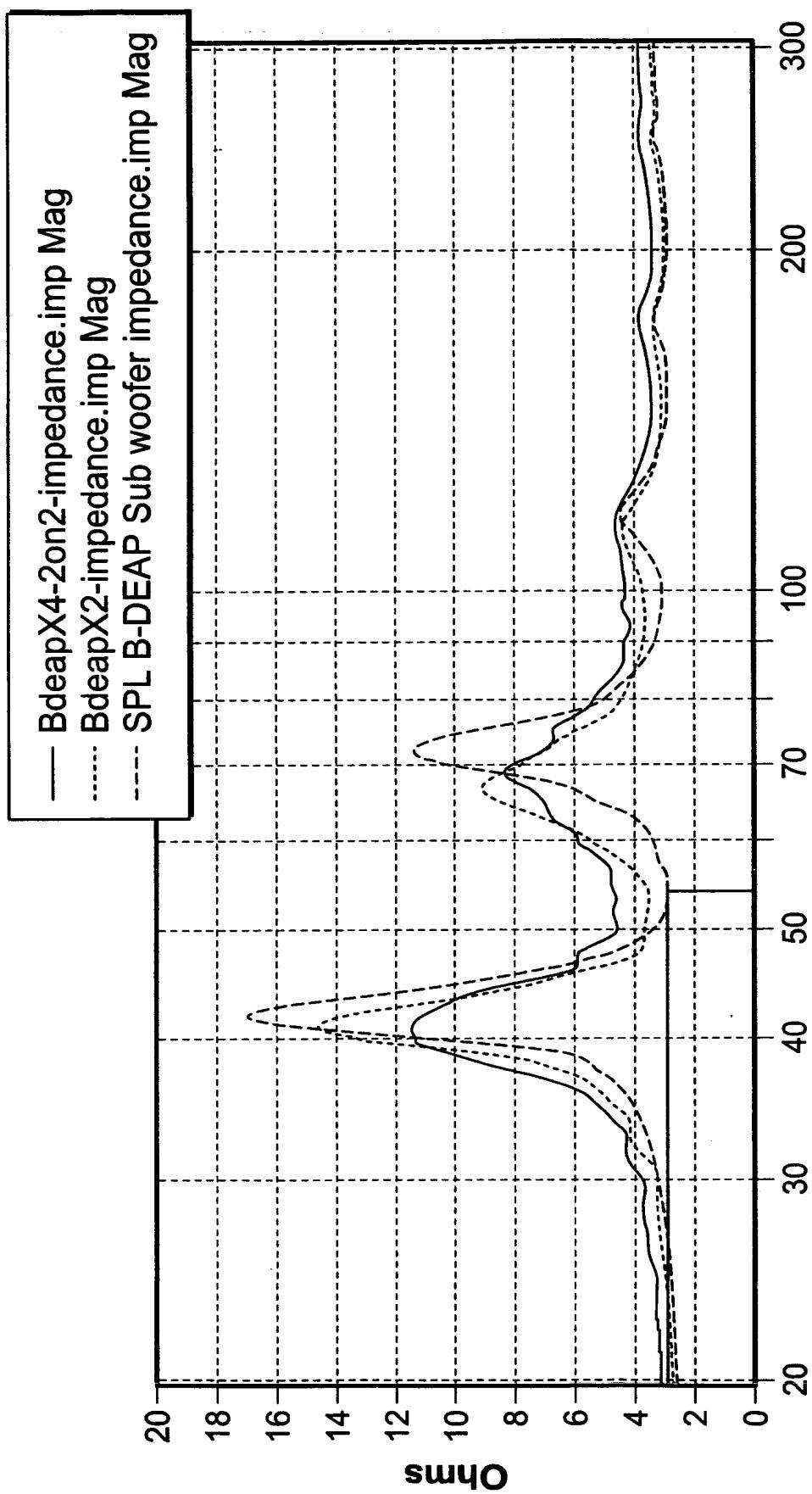


FIG. 14A

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8192 Samples, Frequency Res=3.0Hz



Frequency (Hz) Octave Smoothing=7.0% by Vector

FIG. 14B